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pital, but they will accept no personal fee for any such service.

It is not expected that this radical innovation in medical teaching will deprive the Johns Hopkins Medical School of such advantages as are still to be gained from the services of other men who are practitioners of medicine and surgery. In the conduct of the dispensary, in the teaching of students and in the cultivation of the specialties men simultaneously engaged in practise will to some extent continue to be utilized.

SCIENTIFIC NOTES AND NEWS

DR. ROBERT BROOME, the authority on South African paleontology, is visiting America for a year of scientific research especially upon the ancient vertebrates of the Permian period. He has accepted a temporary appointment upon the staff of the American Museum of Natural History for this purpose, and has brought with him his private collection of South African Permian reptiles.

THE Hon. Bertrand Russell, who will this year lecture at Harvard University, and Professor Etienne Boutroux, of the University of Paris, have been appointed Woodward lecturers at Yale University.

SIR WILLIAM CHRISTIE, formerly astronomer-royal, has been elected Master of the Clock-makers' Company, London.

PROFESSOR RAYMOND DODGE, of Wesleyan University, Middletown, Connecticut, is spending the current academic year in research in physiological psychology at the Nutrition Laboratory of the Carnegie Institution of Washington, Boston. A special laboratory has been equipped with an Einthoven string galvanometer and other apparatus of a similar order of precision, including much apparatus devised by Professor Dodge.

DR. F. B. SUMNER has been appointed biologist in the Scripps Institution for Biological Research of the University of California.

DR. G. F. PADDOCK has been appointed assistant in the Lick Observatory of the University of California.

DR. ORLAND E. WHITE, recently an instructor in botany at South Dakota State College and an assistant and graduate student in the

laboratory of genetics, Bussey Institution of Harvard University, has accepted the appointment as plant breeder to the Brooklyn Botanic Garden.

FATHER THEODOR ANGEHRN, S.J., has been appointed director of the Haynald Observatory, Kalocsa.

DR. GIUSEPPE BASTIANELLI, Rome, is visiting the medical institutions of the United States.

PROFESSOR W. M. HAYS, former assistant secretary of agriculture, has gone to Argentina as a consulting adviser to the secretary of agriculture of that country. His services were secured with a view to the inauguration of a plan for rural education. It is expected that he will be absent from this country six months or more. Mrs. Hays accompanied him.

DR. FRANK E. LUTZ, accompanied by Mr. Charles W. Leng, has been in Cuba on an entomological collecting trip on behalf of the American Museum of Natural History. After a period of study in Havana where facilities for work were accorded by Professor Carlos de la Torre, the expedition established field headquarters in Pinar del Rio.

WITH the sanction of the British secretary of state, Sir Aurel Stein has undertaken an expedition into Central Asia, which he expects to occupy him for nearly three years. Proceeding to Chinese Turkestan by a hitherto unexplored route, he plans to spend the winter in the desert, afterwards extending his work further east towards the western borders of China.

DR. W. J. HUMPHREYS, professor of physics in the United States Weather Bureau, lectured at the University of Illinois on October 23. His subject was "The Temperature Effects of Volcanic Dust in the Atmosphere."

At a joint meeting of the Philadelphia Section of the Illuminating Engineering Society and the Philadelphia Photographic Society held at the Engineers Club on October 17, Dr. A. W. Goodspeed read a paper entitled "A simple unit method for measuring the actinic effect of illuminants both primary and secondary." This paper embodied an analysis of

the practical photographic methods of Frank Morris Steadman.

THE Gresham lecturer on astronomy, Mr. Arthur R. Hinks, F.R.S., delivered a course of four lectures on astronomy in daily use, on October 14, 15, 16 and 17, at the City of London School, Victoria Embankment. The subjects of the four lectures were: "The Determination of Time," "The Distribution of Time," "The Determination of Position" and "Measurement of the Size and Shape of the Earth."

THE first ordinary meeting of the Medical Society of London for the session 1913-14 was held on October 13, when the new president, Sir David Ferrier, F.R.S., delivered his inaugural address. The Lettsomian lectures of the society will be given on February 2 and 16 and March 2 by Dr. F. M. Sandwith, who will treat of the subject of dysentery.

DR. PHILIP REESE UHLER, since 1891 provost of the Peabody Institute, Baltimore, known for his contributions to entomology and geology, died on October 21, aged seventy-eight years.

WILLIAM THEODORE WENZELL, emeritus professor of chemistry in the California College of Pharmacy, of the University of California, died July 31, 1913.

THE thirty-first annual congress of the American Ornithologists' Union will convene in New York City on November 10, at 8 P.M. The evening session will be devoted to the election of officers and the transaction of other routine business. The meetings, which are open to the public and devoted to the reading and discussion of scientific and popular papers on ornithology, will be held at the American Museum of Natural History, November 11-13, from 10 o'clock A.M. until 4 P.M. each day. Information regarding the congress can be had by addressing the secretary, Mr. John H. Sage, Portland, Conn.

THE Rush Society for the correlation and support of medical and biological lectures in Philadelphia announces the following lectures, which will be held at the College of

Physicians or at the Medical Laboratories of the University of Pennsylvania.

Samuel D. Gross Lecture of the Philadelphia Pathological Society, October 23, at 8:30 P.M. Professor E. G. Conklin, Princeton University, "The Mechanism of Heredity and Development."

The Fifth Rush Society Lecture, November 18, at 8:30 P.M. Frederick L. Hoffman, The Prudential Insurance Co. of America, "The Incidence of Cancer by Organs and Parts of the Body Affected."

The Mütter Lecture, December 12, at 8:30 P.M. R. C. Coffey, M.D., Portland, Oregon, "The Surgical Treatment of Chronic Constipation."

The Sixth Rush Society Lecture, January 27, at 8:30 P.M. Professor Sven G. Hedin, M.D., University of Upsala, "Colloidal Reactions and their Relations to Biology."

The Weir Mitchell Lecture, February 25, at 8:30 P.M. Harvey Cushing, M.D., Harvard University, "Clinical Types of Dyspituitarism."

The Seventh Rush Society Lecture, March 11, at 8:30 P.M. John Howland, M.D., Johns Hopkins Hospital, "A Consideration of Certain Aspects of Rachitis." (This lecture is also the annual address before the Alpha Omega Alpha Honorary Medical Society.)

The Eighth Rush Society Lecture, April 1, at 3:30 P.M. Alexis Carrel, M.D., The Rockefeller Institute for Medical Research, "Permanent Active Life of Tissues Outside of the Organism." (This lecture is also the annual address before the Undergraduate Medical Society of the University of Pennsylvania.)

Annual Address of the Philadelphia Pathological Society, April 23, at 8:30 P.M. Richard P. Strong, M.D., Harvard University, "Bubonic Plague."

THE fifteenth annual conference of the Association of American Universities will be held at the University of Illinois, on November 6, 7 and 8. The session of the first day will be given to a meeting of the executive committee and meetings of the conference of deans and similar officers of graduate schools. The program thus far announced for the other two days is as follows: "The Type of Graduate Scholar," by President John Grier Hibben, of Princeton University; "The Library as University Factor," two papers, one by Mr. Guy Statton Ford, University of Minnesota, and the other by Wm. D. Johnson, librarian, Columbia

University; Bureau of Education paper by Professor Kendric C. Babcock, University of Illinois.

UNIVERSITY AND EDUCATIONAL NEWS

THE General Education Board, in addition to the gift of \$1,400,000 to the Johns Hopkins Medical School, has made conditional appropriations of \$200,000 for Barnard College, Columbia University; \$200,000 for Wellesley College, and \$50,000 for Ripon College.

Two gifts have been made to the Massachusetts Institute of Technology from anonymous donors, sums of half a million and one hundred thousand dollars respectively. There is an understanding that the larger gift is to be used for the buildings, while the other has no restrictions.

By the will of the late Simeon Smith, of Indiana, DePauw University has recently added \$80,000 to her productive endowment. By the terms of the will, \$50,000 of this amount has been set aside specifically as an endowment of the department of chemistry. Professor W. M. Blanchard, head of the department, has just returned from his sabbatical year in Europe.

A GIFT of ten lakhs of rupees for the promotion of scientific technical knowledge has been made by Dr. Rash Bahari Ghosh to the University of Calcutta.

FRITZ WILHELM WOLL, since 1906 professor of agricultural chemistry in the University of Wisconsin, has been appointed professor of animal nutrition in the University of California.

DR. MAX MORSE has become a member of the depart of physiology, division of biochemistry, of the University of Wisconsin.

THE following new appointments to the faculty of the school of medicine, University of Pittsburgh, have been made this fall: Dr. W. E. Gardner, assistant demonstrator in anatomy; Dr. J. W. McMeans, assistant in clinical pathology and demonstrator in pathology; Dr. A. H. McCreery, R. B. Mellow fellow in pathology; Dr. J. C. Irwin, instructor in obstetrics; Dr. R. J. Cary, demonstrator in

medicine; Dr. Arthur Miltenberger, assistant demonstrator in obstetrics; Dr. J. H. Seipel, assistant demonstrator in obstetrics; Mr. Orville J. Walker, assistant in physiology and pharmacology. The following increases in rank have likewise been provided for: Dr. Chris Gardner, from assistant demonstrator to demonstrator in anatomy; Dr. W. L. Croll, from instructor to assistant professor in obstetrics.

DR. ORREN LLOYD-JONES, formerly assistant in the department of experimental breeding of the College of Agriculture, University of Wisconsin, has gone to the Iowa Agricultural College as assistant professor of animal husbandry. He will have charge of the work in genetics in that department.

PROFESSOR OTTO WILCKENS, professor at Jena, has been called to the chair of geology and paleontology at Strasburg, to succeed Professor E. Holtzapfel.

DR. GUSTAV STÖRRING, of Strasburg, has been called to Bonn, to fill the chair of philosophy vacant by the removal of Professor Oswald Külpe to Munich.

DISCUSSION AND CORRESPONDENCE

ON THE OCCURRENCE OF A PROBABLE NEW MINERAL¹

DURING the investigations of the carnotite and vanadium deposits of Colorado and Utah, which were carried on last winter for the United States Bureau of Mines by Professor R. B. Moore and myself, a small deposit of what is apparently a new mineral was found. This mineral was located about sixteen miles southeast of Thompsons, Utah, and later on in the workings of a drift near the rim-rocks on the north side of East Paradox Valley, Colorado. A very similar material was also found near Green River, Utah. The mineral is a black carbonaceous material which shows a high activity in the electroscope. It occurs in sandstone of Jurassic Age and is found imbedded in the carnotite. At Thompsons the ore was located at the outcrop on the surface

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